

Appendix D

Borehole logs and photographic records

SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH01

SHEET 1 OF 4

Position : 577417.0 E, 5234075.0 N MGA94\ **Surface RL :** 57.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 3 Jun 22

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Hollow Flight Auger				0.00 (57.69) 0.10 (57.60)		BITUMINOUS SEAL FILL : GRAVEL, fine to medium, subangular to angular, MW-SW dolerite, VH strength SILT with gravel and sand, low plasticity, pale brown-cream, gravel is fine to medium, subangular to subrounded, MW-HW siltstone, L-M strength, sand is fine grained, w<PL (RS-XW siltstone)	GW ML	- D	- (MD) (St)			
1					0.80		Start of coring at 0.8 metres. See Core Log Sheet for cored interval.						1
2													2
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

See standard sheets for details of abbreviations & basis of descriptions



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Job No.
12575577

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH01

SHEET 2 OF 4

Position : 577417.0 E, 5234075.0 N MGA94\ **Surface RL :** 57.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 3 Jun 22

DRILLING			MATERIAL							ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
				0.80 (56.90)		Start of coring at 0.8 metres. See Soil Log Sheet for soil interval.								
1		1		0.95 (56.75)		SANDSTONE, fine to medium gravel, pale brown-cream	HW - MW	L-M		0			0.8 - 0.87 : too disturbed to log defects	1
				1.97 (55.73)		SILT, trace sand, low plasticity, pale grey-white, sand is fine to coarse grained, stiff, dry to moist, w<PL, (XW siltstone)	XW	SOIL						
2		2	GNO			SILTSTONE, pale cream-grey	HW	VL-L		92		SPT	SPT1 (1.8 - 1.97m) 29/15° N = R, hammer bounce, *over 20mm	2
				3.30 (54.40)		colour change to grey, Fe staining, disturbed bedding, sandy lenses, rip up clasts	MW	M				Is(50)	2.21 m: Pt, 0-5°, So, Pln, Cn 2.3 m: Pt, 0-5°, So, Pln, Cn 2.31 m: Jt, 85°, So, Pln, Fn, Sn 2.55 m: Is(50) 0.49 MPa	
3	HQ Coring												2.9 m: Pt, 0-5°, So, Pln, Cn 2.94 m: Pt, 0-5°, So, Pln, Cn	3
				4.80 (52.90)		no Fe staining	MW - SW	M		97			3.2 - 3.24 m : ISm, Sandy SILT, low plasticity, sand is fine grained 3.73 m: Pt, So, Pln, Cn	
4		3						H				Is(50)	3.9 m: Is(50) 1.43 MPa	4
								M					4.66 m: Pt, So, Pln, Cn 4.7 - 4.73 m : ISm, SILT with sand, low plasticity, sand is fine grained	
5		4					SW			71			4.9 m: Pt, 0-5°, So, Pln, Cn	5

See standard sheets for details of abbreviations & basis of descriptions



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Job No.
12575577

GEO CORE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH01

SHEET 4 OF 4

Position : 577417.0 E, 5234075.0 N MGA94\ **Surface RL :** 57.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 3 Jun 22

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
	HQ Coring	7		10.80 (46.90)		End of hole at 10.8 metres.			100	100			9.98 m: Pt, 0-5°, So, Ph, Cn 10.04 m: Pt, 0-5°, So, Ph, Cn 10.1 m: Is(50) = 3.63 MPa 10.12 - 10.16 m: ISm, Sandy CLAY, high plasticity, sand is fine grained 10.26 m: Pt, 0-5°, So, Ph, Cn	
11													10.75 m: Jt, 15°, So, Ph, Fe, Sn	11
12														12
13														13
14														14
15														15

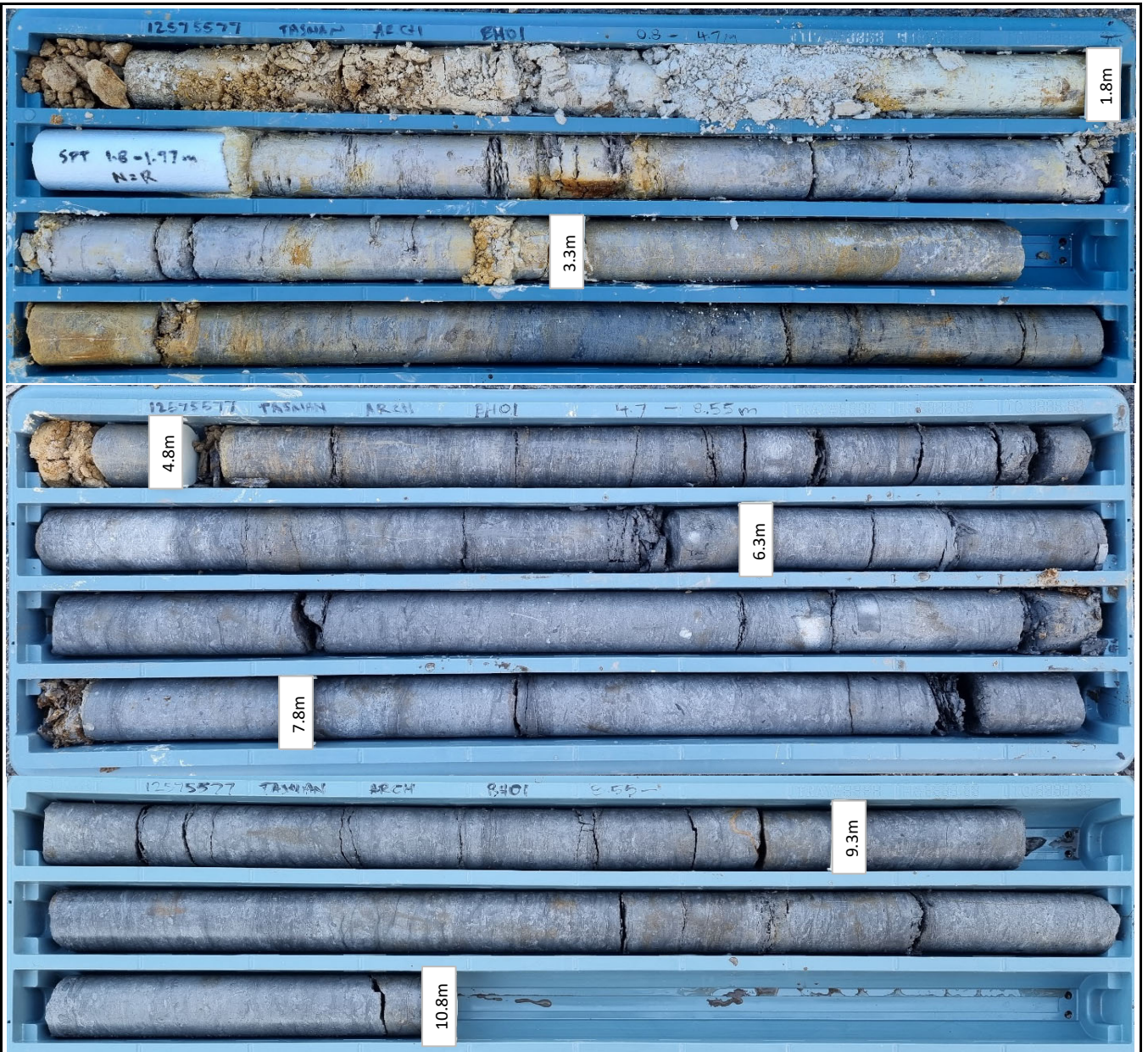
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	GHD Pty Ltd <small>2 Salamance Square Hobart TAS 7000</small>
	<small>Client</small> Parks & Wildlife

<small>Drawn</small> K.I	<small>Date</small> 15/06/2022	<small>Job Number</small> 12575577	<small>Title</small> A4	Borehole Photographic Log BH01 10.8 m

<small>Project</small> Tasman Arch-Geotechnical Investigation
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SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH02

SHEET 1 OF 3

Position : 577418.0 E, 5234094.0 N MGA94\ **Surface RL :** 58.30m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING					MATERIAL					ADDITIONAL DATA			
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Hollow Flight Auger				0.10 (58.20)		FILL : Silty Sandy GRAVEL, fine to medium, subangular, MW-SW dolerite, VH strength, silt is low plasticity, sand is coarse grained	GM	D	(MD)			
							Gravelly Sandy SILT, low plasticity, pale brown-cream, gravel is fine to medium, HW-MW siltstone, L-M strength, sand is fine to coarse grained, (RS-XW siltstone)	ML	D	VSt			
1											SPT	SPT1 (1.0 - 1.45m) 11/12/14 N = R 26 Recovery=350mm	1
2													
					2.60		Start of coring at 2.6 metres. See Core Log Sheet for cored interval.				SPT	SPT2 (2.5 - 2.6m) 31* N = R 31 blows over 100mm, hammer bounce from 2.6m	
3													3
4													4
5													5

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CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH02

SHEET 2 OF 3

Position : 577418.0 E, 5234094.0 N MGA94\ **Surface RL :** 58.30m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)		Defect Spacing (mm)	Samples & Tests	Additional Data Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
									20	80				
1														
2														
3		1		2.60 (55.70)		Start of coring at 2.6 metres. See Soil Log Sheet for soil interval. SILTSTONE, pale cream-grey	HW	VL-L		0			2.6 - 3.37 m: Pt, 0-5° So, Pln, Cn, 20-39 mm spacing	
4	HQ Coring	2		3.60 (54.78) (54.65)		CORE LOSS (60mm) SILTSTONE, pale cream-grey, Fe staining, disturbed bedding, sandy lenses	XW HW	SOIL VL-L			48		3.37- 3.46 m : WSm, SILT, low plasticity 3.46 - 3.76 m: Pt, 0-5° So, Pln, Cn, 20-39 mm spacing	
5							HW	L-M					3.76 m: Pt, 0-5°, So, Pln, Cn 3.8 m: Pt, 0-5°, So, Pln, Cn 3.99 m: Pt, 0-5°, So, Pln, Cn 4.05 m: Pt, 0-5°, So, Pln, Cn 4.23 m: Pt, 0-5°, So, Pln, Cn 4.48 m: Pt, 0-5°, So, Pln, Cn 4.5 m: Pt, 0-5°, So, Pln, Cn 4.75 m: Jt, 85°, So, Pln, Cn 4.81 m: Jt, 75°, So, Pln, Cn	

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GEO CORE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH02

SHEET 3 OF 3

Position : 577418.0 E, 5234094.0 N MGA94\ **Surface RL :** 58.30m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 26 Apr 22 **Date Completed :** 26 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING			MATERIAL						ADDITIONAL DATA						
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)	
															XW
		2		5.20 (53.10)		reduced Fe staining	XW HW	SOIL L-M		80			Is(50)	5.1- 5.2 m : WSm, Sandy SILT, low plasticity 5.25 m: Pt, 0-5°, So, Pln, Cn 5.34 m: Pt, 0-5°, So, Pln, Cn 5.38 m: Pt, 0-5°, So, Pln, Cn 5.5 m: Pt, 0-5°, So, Pln, Cn 5.6 m: Is(50) = 0.3 MPa 5.74 m: Pt, 0-5°, So, Pln, Cn 5.8 m: Jt, 90°, So, Pln, Cn 5.84 m: Pt, 0-5°, So, Pln, Cn	
		3												6.0 - 6.03 m : WSm, SILT, low plasticity 6.21 m: Pt, 0-5°, So, Pln, Cn	6
	HQ Coring									84			Is(50)	6.44 m: Pt, 0-5°, So, Pln, Cn 6.5 m: Jt, 90°, So, Un, Fe, Sn 6.6 - 6.7m : too disturbed to log defects 6.9 m: Pt, 0-5°, So, Pln, Cn 6.9 m: Is(50) = 0.18 MPa 7.12 m: Pt, 0-5°, So, Pln, Cn	7
		4					MW-SW	M					Is(50)	7.32 m: Pt, 0-5°, So, Pln, Cn 7.43 m: Pt, 0-5°, So, Pln, Cn 7.45 m: Is(50) = 0.74 MPa 7.54 m: Jt, 40°, So, Pln, Cn 7.63 m: Pt, 0-5°, So, Pln, Cn	
				8.10 (50.20)		End of hole at 8.1 metres.							Is(50)	7.99 m: Pt, 0-5°, So, Pln, Cn 8.0 m: Is(50) = 0.4 MPa 8.02 m: Pt, 0-5°, So, Pln, Cn	8

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	<small>Client</small> Parks & Wildlife

<small>Drawn</small> K.I	<small>Date</small> 15/06/2022	<small>Job Number</small> 12575577	<small>Title</small> A4	Borehole Photographic Log BH02 8.1 m
<small>Project</small> Tasman Arch-Geotechnical Investigation				

SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH03

SHEET 1 OF 3

Position : 577426.0 E, 5234075.0 N MGA94\ **Surface RL :** 58.10m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Hollow Flight Auger				(58.00) (58.00)		BITUMINOUS SEAL FILL : GRAVEL, fine to medium grained, subangular to angular, MW-SW dolerite, VH strength SILT with gravel and sand, low plasticity, pale brown-cream, gravel is fine to medium, subangular to subrounded, MW-HW siltstone, L-M strength, sand is fine grained, w<PL (RS-XW siltstone)	GP ML	- D	- (MD) (St)			
1					0.80		Start of coring at 0.8 metres. See Core Log Sheet for cored interval.						1
2													2
3													3
4													4
5													5

GEO SOIL BOREHOLE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

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Job No.
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CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH03

SHEET 2 OF 3

Position : 577426.0 E, 5234075.0 N MGA94\ **Surface RL :** 58.10m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING			MATERIAL							ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
1		1		0.80 (57.30)		Start of coring at 0.8 metres. See Soil Log Sheet for soil interval. SILTSTONE, pale brown-cream	HW	VL-L	95				1.3 m: Jt, 85°, So, Pln, Fn, Sn	1
				1.60 (56.50)	X	CORE LOSS (200mm)	-	-					1.6 m: Pt, 0-5°, So, Pln, Cn	
2				1.80 (56.30)		SILTSTONE, pale brown-cream	HW	VL-L	96				2.17 m: Jt, 85°, So, Un, Cn	2
		2	GNO	2.35 (55.75)		disturbed bedding, sandy lenses, Fe staining	MW	M				Is(50)	2.35 m: Is(50) = 0.64 MPa 2.4 m: Pt, 0-5°, So, Pln, Cn 2.43 m: Pt, 0-5°, So, Pln, Cn	
				2.53 (55.57)		reduced Fe staining	SW						2.92 m: Pt, 0-5°, So, Pln, Cn	
3	HQ Coring			3.35 (54.75)		Fe staining	MW	H	72			Is(50)	3.2 m: Is(50) = 2.93 MPa	3
				3.67 (54.43)		reduced Fe staining	XW	SOIL					3.5 - 3.67 m : WSm, SILT, low plasticity	
				4.16 (53.94)		Fe staining	SW	H					4.16 - 4.19 m: CSm : Clayey GRAVEL, fine to medium grained, subangular, clay is medium plasticity	
4		3		4.23 (53.85)		reduced Fe staining	SW					Is(50)	4.23 m: Pt, 0-5°, So, Un, Cn 4.25 m: Pt, 0-5°, So, Un, Cn 4.29 m: Pt, 0-5°, So, Un, Cn 4.49- 4.52 m: CSm : Clayey GRAVEL, fine to medium grained, subangular, clay is medium plasticity 4.5 m: Is(50) = 1.75 MPa 4.68 m: Pt, 0-5°, So, Un, Cn	4
5		4							0				4.9 m: Pt, 0-5°, So, Pln, Cn 4.92 m: Pt, 0-5°, So, Un, Cn	5

GEO CORE LOG SHEET 12575577.GPJ GHD_TEMPLATE_TASMANIA.GDT 8/6/22

See standard sheets for details of abbreviations & basis of descriptions



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12575577

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH03

SHEET 3 OF 3

Position : 577426.0 E, 5234075.0 N MGA94\ **Surface RL :** 58.10m **Angle from Horiz. :** 90° **Processed :** K.I

Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN

Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
	HQ Coring	4											4.99 m: Pt, 0-5°, So, Un, Cn 5.06 m: Pt, 0-5°, So, Un, Cn 5.11 m: Pt, 0-5°, So, Un, Cn 5.2 m: Pt, 0-5°, So, Un, Cn	
		5							40			Is(50)	5.31 - 5.35 m: WSm, Gravelly CLAY, medium plasticity, gravel is fine, subangular 5.4 m: Is(50) = 1.48 MPa 5.44 - 5.46 m: CSm: GRAVEL, fine, subangular 5.62 m: Pt, 0-5°, So, Un, Cn	
6												Is(50)	5.9 m: Pt, 0-5°, So, Un, Cn 5.95 m: Pt, 0-5°, So, Un, Cn 6.06 m: Pt, 0-5°, So, Un, Cn	6
				6.30 (51.80)		End of hole at 6.3 metres.						Is(50)	6.19 m: Pt, 0-5°, So, Un, Cn 6.2 m: Is(50) = 4.06 MPa 6.22 m: Pt, 0-5°, So, Un, Cn	
7														7
8														8
9														9
10														10

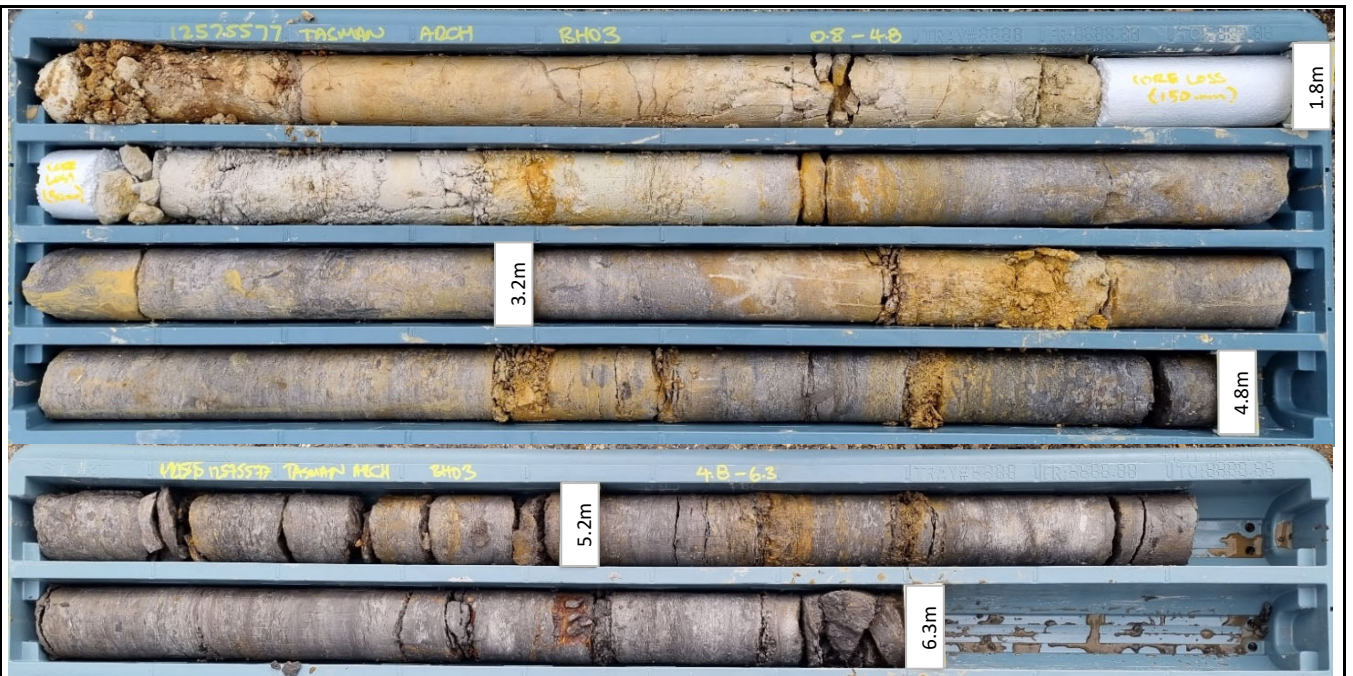
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See standard sheets for details of abbreviations & basis of descriptions



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	GHD Pty Ltd <small>2 Salamance Square Hobart TAS 7000</small>

Drawn	K.1	Date	15/06/2022	Job Number	1257577	Title	A4	Borehole Photographic Log
								BH03
								6.3 m

Client	Parks & Wildlife
Project	Tasman Arch-Geotechnical Investigation



SOIL LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH04

SHEET 1 OF 3

Position : 577429.0 E, 5234096.0 N MGA94\ **Surface RL :** 58.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING				MATERIAL					ADDITIONAL DATA				
SCALE (m)	Method	Hole Support	Run	Water	Depth/ (RL)metres	Graphic Log	Description Soil Name (USC Symbol) Other Minor Components, Plasticity or Particle Characteristics, Colour, Moisture Condition, Consistency, Structure	Group Symbol	Moisture Condition	Consistency / Relative Density	Samples & Tests	Comments/Observations Insitu test results	SCALE (m)
	Hollow Flight Auger				0.15 (58.55)		FILL : Silty Sandy GRAVEL, fine to coarse, SW - Fr dolerite, VH strength, silt is low plasticity, sand is fine to coarse grained	GM	D	(MD)			
							SILT with sand and gravel, low plasticity, pale brown-cream, sand is fine to coarse grained, gravel is fine to medium, subangular, HW-MW siltstone, VL-M strength (RS/XW Siltstone)	ML	D	(St)			
					0.80		Start of coring at 0.8 metres. See Core Log Sheet for cored interval.						

GEO SOIL BOREHOLE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

See standard sheets for details of abbreviations & basis of descriptions



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 CONSULTING GEOTECHNICAL ENGINEERS AND GEOLOGISTS

Job No.
12575577

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH04

SHEET 2 OF 3

Position : 577429.0 E, 5234096.0 N MGA94\ **Surface RL :** 58.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING			MATERIAL							ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
				0.80 (57.90)		Start of coring at 0.8 metres. See Soil Log Sheet for soil interval.								
1		1		1.20 (57.50)		CORE LOSS (600 mm)								
2		2		1.80 (56.90)		SILT with sand and gravel, low plasticity, hard, pale brown-cream, sand is fine to coarse grained, gravel is fine to medium, subangular, HW-MW siltstone, VL-M strength (RS/XW Siltstone)	RS/XW	SOIL				SPT	SPT1 (1.8 - 2.25 m) 8/19/22 N=41	2
		2	GNO	2.50 (56.20)		Fe staining								
		2		2.50 (56.14)		SILT, low plasticity, pale grey-cream	RS/XW	SOIL						
3	HQ Coring	3		2.73 (55.97)		SILTSTONE, pale grey-cream, disturbed bedding, rip up clasts, sandy laminations, Fe staining	HW	VL-L		100				
		3		3.70 (55.00)		becoming pale grey, Fe staining		L-M		90				
		4											3.49 m: Pt, 0-5°, So, Un, Fe, Sn	
		4											3.7 m: Jt, 85°, So, Un, Fe, Sn	
		4											3.87 m: Pt, 0-5°, So, Un, Fe, Sn 3.9 m: Pt, 0-5°, So, Un, Fe, Sn 4.0 m: Pt, 0-5°, So, Un, Fe, Sn	
		4											4.5 m: Pt, 0-5°, So, Un, Fe, Sn	
		4										Is(50)	4.69 m: Pt, 0-5°, So, Un, Fe, Sn 4.7 m: Is(50) = 0.32 MPa	
		4								85				

GEO CORE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22

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Job No.
12575577

CORE LOG SHEET

Client : Tasmania Parks and Wildlife Service
Project : Tasman Arch Viewing Platform 9A
Location : Tasman Arch, Eaglehawk Neck

LOCATION No. BH04

SHEET 3 OF 3

Position : 577429.0 E, 5234096.0 N MGA94\ **Surface RL :** 58.70m **Angle from Horiz. :** 90° **Processed :** K.I
Contractor : KMR Drilling Pty Ltd **Rig Type :** Hydrapower Scout Mk IV **Checked :** JRN
Date Started : 27 Apr 22 **Date Completed :** 27 Apr 22 **Logged by :** J.N **Date :** 6 Jun 22

DRILLING				MATERIAL						ADDITIONAL DATA				
SCALE (m)	Method	Run	Water	Depth/ (RL)metres	Graphic Log	Description ROCK TYPE, colour, grain size, structure (texture, mineral composition, hardness, alteration, cementation, etc. as applicable) and SOIL TYPE, colour, structure, minor components (origin)	Weathering	Estimated Strength	Core Recovery (%)	RQD (%)	Defect Spacing (mm)	Samples & Tests	Joints, partings, seams, zones and veins Fracture type, orientation, infilling or coating, shape, roughness, other Insitu test results	SCALE (m)
		4		5.10 (53.60)		reduction in Fe Staining, becoming grey	SW	M				Is(50)	5.1 m: Pt, 0-5°, So, Un, Fe, Sn 5.1 m: Is(50) = 0.28 MPa 5.23 m: Pt, 0-5°, So, Un, Fe, Sn 5.33 m: Pt, 0-5°, So, Un, Fe, Sn 5.38 m: Pt, 0-5°, So, Un, Fe, Sn 5.44 m: Pt, 0-5°, So, Un, Cn 5.55 m: Pt, 0-5°, So, Un, Cn 5.57 m: Pt, 0-5°, So, Un, Cn 5.6 m: Pt, 0-5°, So, Un, Cn 5.81 m: Pt, 0-5°, So, Un, Cn	
		5							87			Is(50)	5.97 m: Pt, 0-5°, So, Un, Cn 6.0 m: Is(50) = 0.47 MPa 6.05 m: Pt, 0-5°, So, Un, Cn 6.13 m: Pt, 0-5°, So, Un, Cn 6.35 m: Pt, 0-5°, So, Un, Cn 6.41 m: Pt, 0-5°, So, Un, Cn 6.43 m: Pt, 0-5°, So, Un, Cn 6.57 m: Jt, 90°, So, Un, Fe, Sn, discontinuous 6.86 m: Jt, 40°, So, Ir, Fe, Sn 6.98 m: Pt, 0-5°, So, Un, Cn 7.13 m: Pt, 0-5°, So, Un, Cn 7.2 m: Pt, 0-5°, So, Un, Cn 7.3 m: Is(50) = 0.88 MPa	
	HQ Coring	6							83			Is(50)	7.6 m: Is(50) = 1.07 MPa	
		6												
		7												
		7												
		8		7.80 (50.90)		End of hole at 7.8 metres.		H						
		8												
		9												
		9												
		10												

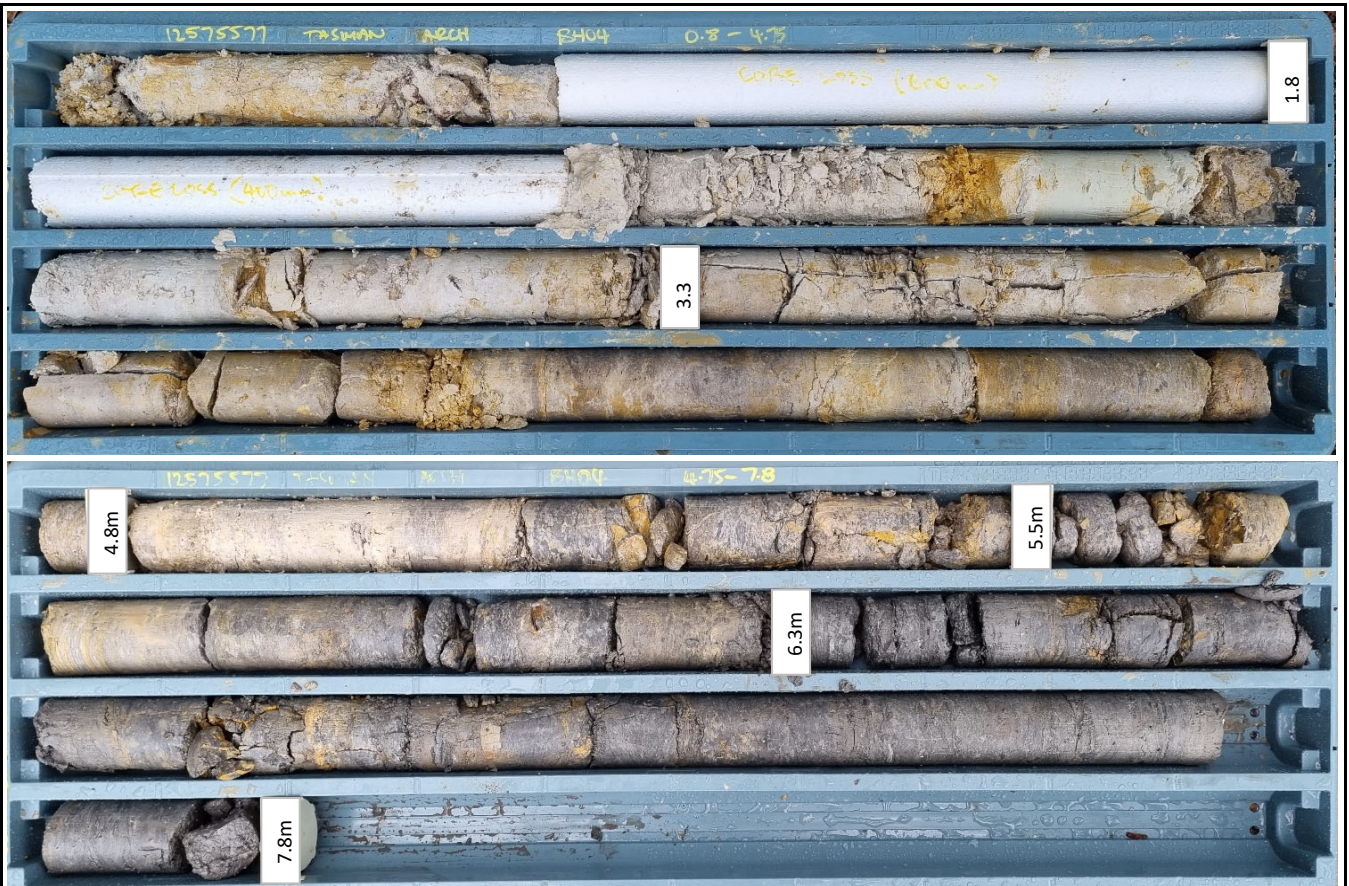
GEO CORE LOG SHEET 12575577.GPJ GHD_GEO_TEMPLATE_TASMANIA.GDT 8/6/22


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Drawn	K.I	Date	15/06/2022	Job Number	12575577	Title	A4	Borehole Photographic Log
								BH04 7.8 m

Client	Parks & Wildlife
Project	Tasman Arch-Geotechnical Investigation